■ About MIDI remote control

About MIDI IN channel and DJX-IIB parts

The individual Parts of the DJX-IIB respond to incoming data over the MIDI channels as listed below.

MIDI IN channel

channel	
1	---- Reserved ----
2	---- Reserved ----
3	---- Reserved ----
4	Remote
5	---- Reserved ----
6	---- Reserved ----
7	---- Reserved ----
8	---- Reserved ----
9	Pattern Kick
10	Pattern Snare
11	Pattern Hi-Hat
12	Pattern Percussion
13	Pattern Bass
14	Pattern Phrase 1
15	Pattern Phrase 2
16	Pattern Phrase 3

Data received over channel 4 (Remote) is used to control the various panel controls of the DJX-IIB.

About MIDI remote control

Remote Control Data

Functions	Panel Operation	MIDI Data Format
Scratch Pad	Scratch Pad function selection	** = Scratch Kit Number Bank Select MSB (B3H, 00H, 00H) Bank Select LSB (B3H, 20H, 02H) Program Change (C3H, **H)
	Scrach Pad rocking	** = Note On (7FH), Note Off (00H)
	Clockwise	Note (93H, 5FH, **H)
	Counterclockwise	Note (93H, 60H, **H)
	Overall Pitch Control	Breath Controller MSB (B3H, 02H) Breath Controller LSB (B3H, 22H)
	Pitch Control	Pitch Bend(E3H)
	Volume	Volume (B3H, 07H)
	LOOP on/off	
	Loop off	Sustain (B3H, 40H, 00H)
	Loop on	Sustain (B3H, 40H, 7FH)
Fader	FADER position	Expression (B3H, 0BH, **H) **= 00 - 7FH)
Pattern	Pattern Variation selection	** = Note On (7FH), Note Off (00H)
	BANK A1	Note (93H, 48H, **H)
	BANK A2	Note (93H, 49H, **H)
	BANK A3	Note (93H, 4AH, **H)
	BANK A4	Note (93H, 4BH, **H)
	BANK A5	Note (93H, 4CH, **H)
	BANK B1	Note (93H, 4DH, **H)
	BANK B2	Note (93H, 4EH, **H)
	BANK B3	Note (93H, 4FH, **H)
	BANK B4	Note (93H, 50H, **H)
	BANK B5	Note (93H, 51H, **H)
	Pattern number selection	Bank Select MSB (B3H, 00H, 00H) Bank Select LSB (B3H, 20H, 01H) Program Change (C3H, **H) ** = Pattern Number Preset: 00H - 45H User: 46H - 4AH
	PART MIXER setting	** = Note On (7FH), Note Off (00H)
	BASS+KICK	—
	PHRASE1+2+3	—
	KICK+HI-HAT	—
	BASS	Note (93H, 3FH, **H)
	KICK	Note (93H, 40H, **H)
	SNARE	Note (93H, 41H, **H)
	PHRASE1	Note (93H, 42H, **H)
	HI-HAT	Note (93H, 43H, **H)
	PHRASE2	Note (93H, 44H, **H)
	PERC	Note (93H, 45H, **H)
	PHRASE3	Note (93H, 46H, **H)
	TOGGLE	—
Filter Knobs	CUTOFF knob	Brightness (B3H, 4AH, **H)
	RESONANCE knob	Harmonic Content (B3H, 47H, **H) **= 00 - 7FH)

MIDI Data Format

Functions	Panel Operation	MIDI Data Format
Live Effector	ON/OFF switch	
	Hold/On	Soft Pedal (B3H, 43H, 7FH)
	Hold/Off	Soft Pedal (B3H, 43H, 00H)
	Effect Type selection	Bank Select MSB (B3H, 00H, 00H) Bank Select LSB (B3H, 20H, 04H)
	DISTORTION	Program Change (C3H, 00H)
	AUTO PAN	Program Change (C3H, 01H)
	RING MOD	Program Change (C3H, 02H)
	FLANGER	Program Change (C3H, 03H)
	PHASER	Program Change (C3H, 04H)
	SLICER	Program Change (C3H, 05H)
	DELAY	Program Change (C3H, 06H)
	ECHO	Program Change (C3H, 07H)
	LO-FI	Program Change (C3H, 08H)
	WAH	Program Change (C3H, 09H)
	CONTROL knob	Effect4 Depth (B3H, 5EH, **H)
	BALANCE knob	Effect5 Depth (B3H, 5FH, **H) **= 00H - 7FH
Key Shifter	KEY SHIFTER setting	** = Note On (7FH), Note Off (00H)
	0	Note (93H, 24H, **H)
	1	Note (93H, 25H, **H)
	2	Note (93H, 26H, **H)
	3	Note (93H, 27H, **H)
	4	Note (93H, 28H, **H)
	5	Note (93H, 29H, **H)
	6	Note (93H, 2AH, **H)
	-5	Note (93H, 2BH, **H)
	-4	Note (93H, 2CH, **H)
	-3	Note (93H, 2DH, **H)
	-2	Note (93H, 2EH, **H)
	-1	Note (93H, 2FH, **H)
BPM setting	Scratch Pad rocking	General Purpose Controller Absolute tempo value MSB (B3H, 10H, mmH) Absolute tempo value LSB (B3H, 30H, llH) Relative tempo value MSB (B3H, 11H, mmH) Relative tempo value LSB (B3H, 31H, llH)
Other buttons	PATTERN button	Channel Pressure (D3H, 01H)
	BPM/TAP button	Channel Pressure (D3H, 03H)
	KEY SHIFTER button	Channel Pressure (D3H, 04H)
	PATTERN STOP button	Channel Pressure (D3H, 05H)

MIDI Implementation Chart

YAMAHA [DJ-GEAR] Date :17-MAR-2000
Model DJX-IIB MIDI Implementation Chart Version : 1.0

Function...		Transmitted	Recognized	Remarks
Basic	Default	x	1 - 16	
Channel	Changed	x	1 - 16	
	Default	x	3	
Mode	Messages	x	x	
	Altered	**********	x	
Note		x	0 - 127	
Number :	True voice	**********	0 - 127	
Velocity	Note ON	x	o 9nH,v=1-127	
	Note OFF	x	o 9nH,v=0 or 8nH	
After	Key's	x	x	
Touch	Ch's	x	x	
Pitch Bend		x	o	
	0,32	x	o	Bank Select
	1	x	o	Modulation wheel
	6,38	x	o	Data Entry
	7,10	x	o	
Control	11	x	o	Expression
	64	x	o	Sustain
Change	71-74	x	o	Sound Controller
	84	x	o	Portamento Control
	91,93	x	o	Effect Depth
	96,97	x	o	RPN Inc,Dec
	100,101	x	o	RPN LSB,MSB
Prog		x	o 0 - 127	
Change :	True #	**********		
System Exclusive		x	o *	
	: Song Pos.	x	x	
Common	: Song Sel.	x	x	
	: Tune	x	x	
System	: Clock	o	o	
Real Time:	Commands	o	o	
Aux	:All Sound OFF	x	o(120,126,127)	
	:Reset All Cntrls	x	o(121)	
	:Local ON/OFF	x	x	
Mes-	:All Notes OFF	x	o(123-125)	
sages:	Active Sensing	x	o	
	:Reset	x	x	
Notes:	* For details, see "MIDI Data Format" on page 83.			

Mode 1 : OMNI ON , POLY Mode 2 : OMNI ON ,MONO o : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF,MONO x : No